

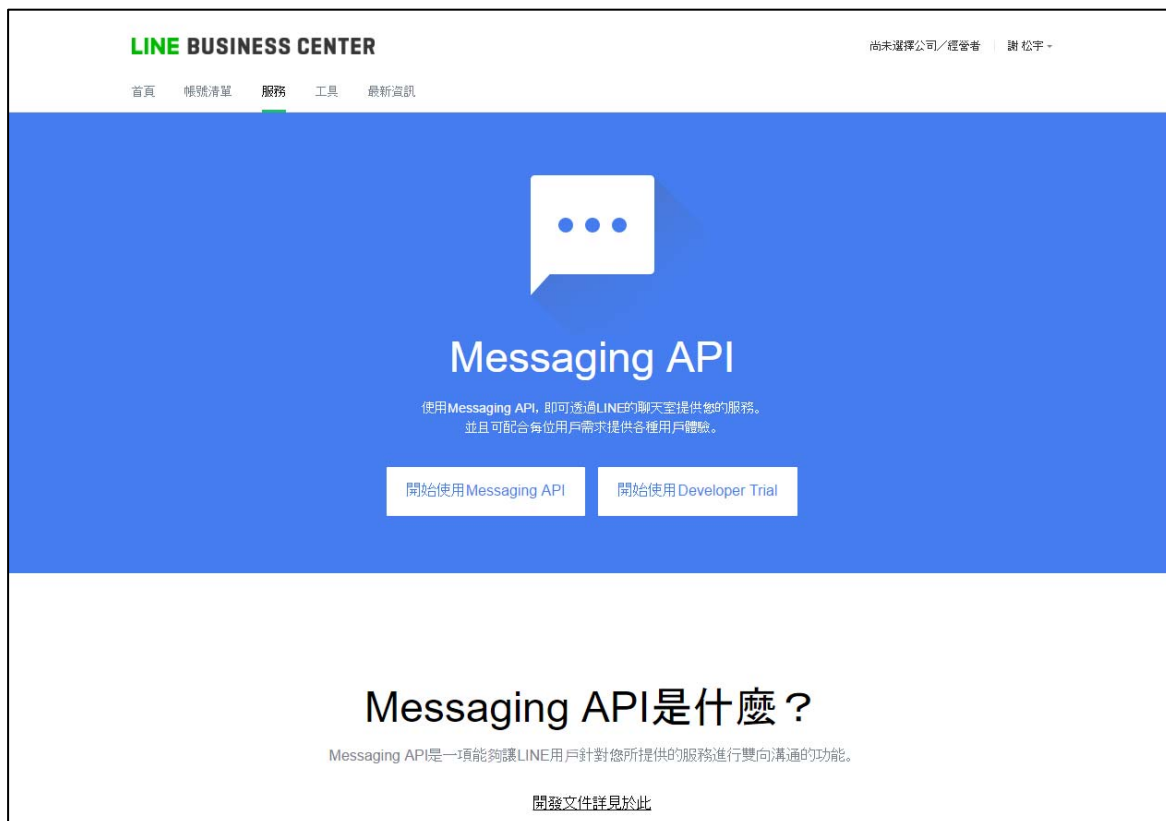
User Manual_NRF52832



一. Pair with the ibeacon device

1. Register a developer account

Go to **LINE BUSINESS CENTER** website register a developer account (developer Trail) :(<https://business.line.me/zh-hant/services/bot>)



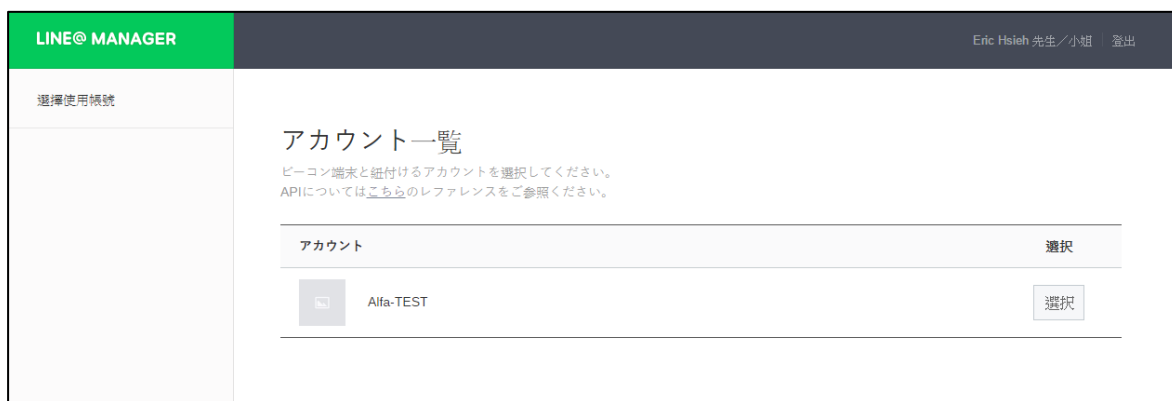
The screenshot shows the LINE BUSINESS CENTER website. The header includes the logo and navigation links: 首頁, 帳號清單, 服務, 工具, 最新資訊. The main content area has a blue background with a white speech bubble icon containing three dots. Below the icon, the text reads "Messaging API" and "使用 Messaging API, 即可透過 LINE 的聊天室提供您的服務。並且可配合每位用戶需求提供各種用戶體驗。" There are two buttons: "開始使用 Messaging API" and "開始使用 Developer Trial". Below this, a section titled "Messaging API是什麼?" explains that it allows for bidirectional communication with LINE users and provides a link to "開發文件詳見於此".

2. Register the device

After registered, go to **LINE@MANAGER** management page register the device :(<https://admin-official.line.me/beacon/register#/>)



The screenshot shows the LINE@MANAGER management page. The header includes the logo and user information: Eric Hsieh 先生 / 小姐 登出. The main content area has a white background with a green sidebar on the left labeled "選擇使用帳號". The main content area has two sections: "ビーコン端末とbotの連携" (Beacon terminal and bot linkage) and "LINE Simple BeaconのHWIDの払い出し" (LINE Simple Beacon HWID distribution). The first section states "お持ちのLINE Beaconとbotアカウントを連携することができます。" (You can link your LINE Beacon and bot account). The second section states "LINE Beacon Platformに登録されたHWIDを払い出し任意のBLEのパケットに組み込む事でLINEに対応したビーコン端末を開発する事が可能になります。" (By distributing the HWID registered on the LINE Beacon Platform to any BLE packet, you can develop beacon terminals compatible with LINE).



3. Login account

Find out the code which have produce info refer to the manual ,and input the HWID and Password



二. How to use ibeacon

1. Open the System manual

Refer to the official documents,
please visit here :<https://devdocs.line.me/en/>

According to the developer manual, then set the device.
Please visit here: <https://devdocs.line.me/en/#line-beacon>

2. Setting the ibeacon as below



三.About ibeacon- NRF52832

Ibeacon- NRF52832	
Bluetooth chip	NRF52832AA
Size	46mm*17.2mm
Weight	38g
Meterial	ABS
Other	Waterproof
Color	Black , green white
Protocol	Bluetooth 4.0 , iBeacon

四. Ibeacon- NRF52832 hardware features

Name	Parameter	
Battery	CR2477	
Battery capacity	1000MA	
Voltage	3.0VDC	
TX power	0dBm	-30~4dBm
Frequency	500ms	100~2000ms
Sleep power	12uW	
Sleep current	2uA	
Support	iOS7.0+/Andriod 4.3+	
OTA	Yes	
Security	Password security	
Distance	0-60m(in the open air)	Range
Battery life	12--24 month	Broadcast interval

五. ibeacon- NRF52832 support system

Support	Phone device
iOS 7.0 above	iPhone 4S,iPhone 5, iPhone 5S,iphone 6, iPhone 6p,iPad 3, iPad mini, iPad air ect.
Android 4.3 above	Samsung Galaxy S III, Galaxy S IV, Galaxy Note II, Galaxy Note III and Motorola Razr, HTC One ect.

六. User Applications

First the User must open the Bluetooth setting and when the user in the range of the Beacon. The Line app will got notice or a message . This technology can use for sent the coupon : when the client(customers) come to the store . The phone wil will a message from Line , the message will include advertisement and Text coupon and other informations

七.ibeacon- NRF52832 firmware Setting

Parameter	Name	Value
UUID	Device ID	FDA50693-A4E2-4FB1-AFCF-C6EB07647825
Major		0-65535(default: 10032)
Minor		0-65535(default:)
Transmission Power		-30~4dBm(default: 0dBm)
Change Password		5bytes (default : AA14061112)
Broadcasting Interval		100-2000ms (default: 500ms)
Serial ID		0-65535
iBeacon Name		1-14 bytes, default: holyiot
Connection Mode		is_connect(0/1)
Soft Reboot		Default password: AA14061112
Battery Service		Battery level

FCC Notice:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable condition without restriction.

About us

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